

## ABSTRACT

A sensor array that forms part of an intrusion detection system, which is adapted for use on narrow spaced objects that surround a perimeter. The sensor array includes one or more intrusion detection sensor nodes and an array processor. The one or more sensor nodes include one or more discrete sensors that form a detection zone that is defined by a plane that extends transversely from a longitudinal axis of each sensor node. Each sensor node may also include a node processor for processing a response generated by the sensors when an intruder enters a nodes detection zone. The array processor of the sensor array is connected to each sensor node and receives and processes alarm disturbance signatures from each node processor.